



Implementing the Plum Creek Watershed Protection Plan - Low Impact Development

Water Body	Plum Creek (Segment 1810)
Location	Kyle
River Basin	Guadalupe River Basin
Contractor	City of Kyle
Project Period	January 11, 2017 – February 29, 2020
Project Total	\$220,359 (Federal 60% and Local Match 40%)

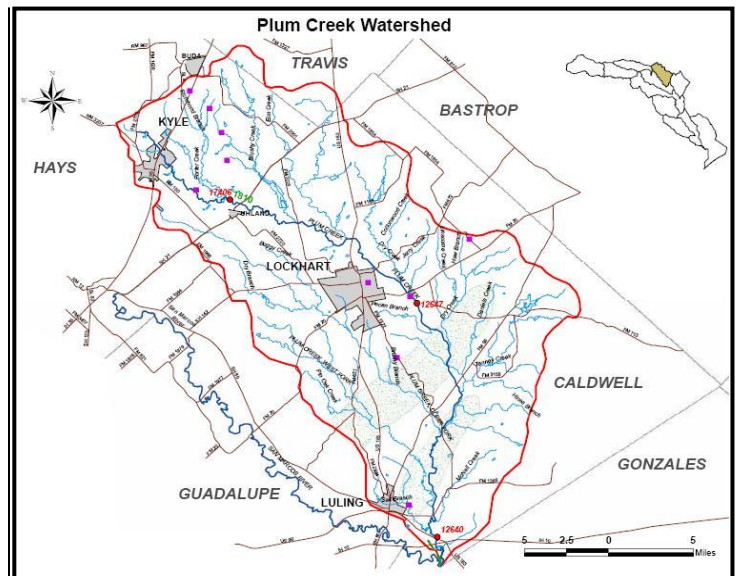
Background

Plum Creek is impaired by elevated bacteria concentrations (Category 4b) and exhibits concerns for depressed dissolved oxygen, habitat, nitrate, total phosphorus, and orthophosphorus. Sources of pollutants identified in the Plum Creek WPP include urban stormwater runoff. The Plum Creek Watershed Partnership (PCWP) developed a Watershed Protection Plan in 2008 and updated it in 2014. As part of its implementation, Caldwell County has undertaken a [demonstration project to retrofit its Justice Center in Lockhart with Low Impact Development \(LID\) features](#). The City of Kyle has experienced some of the most rapid population growth in Texas. As the city begins a major expansion and upgrade of its wastewater treatment facility (WWTF), it plans to incorporate low impact development features into the new Operations Center at this facility.

Project Description

The City of Kyle will install LID best management practices including rainwater harvesting, bio-remediation (vegetated swales, xeriscaping, and native landscaping) and permeable concrete/pavers at its new WWTF Operations Center. In addition to water resource conservation and mitigation of project area runoff volume, the LID features will serve to significantly reduce bacteria, sediment, and nutrient loads. The area will also serve as a hub for expanded outreach and education efforts on the part of the city and the PCWP.

In the first two years, the City of Kyle will give tours of its WWTF Operations Center to more than 100 citizens, municipal officials, and local developers. Educational materials will be available on-site and 5,000 tri-fold brochures will be distributed to new



residents, local businesses and future community leaders.

Current Status

Contract has executed.

Public Participation

The [Plum Creek Watershed Partnership](#) developed a [WPP for the creek](#) and maintains public involvement in the implementation and updating of the WPP.

For More Information

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Project Highlights

- 01/2017 – Contract executed.